



# SPECIFICATION

IP65 Tri-Proof LED Light



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## Ip65 Tri-Proof LED Light

### Caution

- Please read the user manual before installation.
- Please install, connect and test the lamp according to local regulations, Lamps should always be installed or replaced with care by professional person.
- Ensure the power is switched off before installation.
- Please check whether the lamps are broken or not during shipping, broken items cannot be used anymore.
- Please keep the lamps and accessories away from kids to avoid hurt by mistakes.
- For protecting eyes, please do not watch the luminous surface for a long time,
- Do not cover anything on lamp and keep lamps away from fire or high temperature objects.
- Incorrect installation and using, VeraLED keep the right to refuse after-sales service for those disassembled or repaired items.
- Switch the power off and cool down the lamp before cleaning.
- The lamp is only suitable for weak acid and weak base environment.

### S/N Rules

VLSL-A65 X X -XX- X X  
 EX: VLSL-A65F2-20-PB  
 1 2 3 4 5 6 7

- 1: VLSL-VeraLED  
 2: A65-A-Aluminum Version; 65-IP65  
 3: X-Cover Type (S: Striped cover, F: Frosted cover)  
 4: X-Length, (2: 2ft 60cm, 4: 4ft 120cm, 5: 5ft 150cm)  
 5: XX-Power consumption (20: 20w, 30: 30w, 40: 40w, 50: 50w, 60: 60w)  
 6: X-Color Temperature (W: warm white, P: Pure white, C: cold white)  
 7: X-Function Type (B: Battery, Emergency function, S: Sensor, microwave or PIR sensor, D: 0/1-10V dimmable, T: Triac dimmable L: DALI dimmable)

### Caution

Please DO NOT install this product in the following places:

1. The place has a large quantity of lampblack and smoke, such as: kitchen and food processing factory etc.
2. The place has a large quantity of chemical corrosive substance, such as: chemical plant and stockyard etc.
3. The place has poor temperature conditions, large-scale temperature variation, which would easily lead to broken and damage the product, the applicable operating temperature is between -20 and 50 degrees.

### Temperature Characteristics T-ambient 40°C

#### Temperature

Operating: -20 ~ +50°C

Storage: -40 ~ +85°C



**NOTE! Fully Certified for Rebate Applications.**

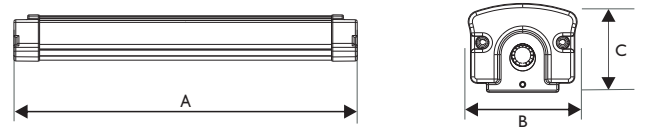
### Features

- Unique patent design, TUV-GS, UL, DLC, ERP, CE certified.
- Water-proof, Dust-proof, Damp-proof, Pressure-proof.
- High luminous efficiency 100 - 115 LM/W.
- Maximum 3M Long for single product.
- Excellent heat dissipation support stable quality.
- Convention installation for linking in series.
- Low light decay, L70=50,000 Hours.
- High impact test, IK09.
- Long lifespan 50,000 hours.
- Energy saving up to 80%.
- 5 years warranty.

### Application

- Parking place
- Tunnel / Corridor / Gallery
- Railway / Bus / MTR Station
- Warehouse / Factory
- Airport
- Exhibition Hall
- Supermarket
- Gas station

### Dimension



length	A	B	C
	Min.mm	Min.mm	Max.mm
600	600	91	92
1200	1200	91	92
1500	1500	91	92



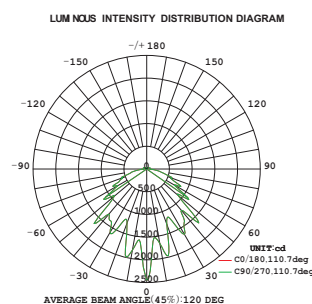
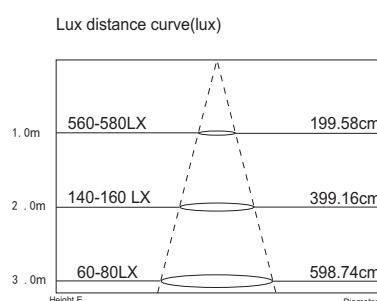
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## Data Sheet

Item code	Input Voltage	Power	LEDs	Working	PF	Luminous Flux	Luminous Efficiency	CRI	THD	Power Efficiency
VLSL-A65F2-20-X	100-240V/277V	20W	120	DC34-40V	>0.95	1900-2100LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S2-20-X	100-240V/277V	20W	120	DC34-40V	>0.95	2100-2400LM	100-115LM/W	>80	<15%	>0.88
VLSL-A65F2-25-X	100-240V/277V	25W	144	DC34-40V	>0.95	2300-2600LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S2-25-X	100-240V/277V	25W	144	DC34-40V	>0.95	2600-2900LM	100-115LM/W	>80	<15%	>0.88
VLSL-A65F2-30-X	100-240V/277V	30W	180	DC34-40V	>0.95	2800-3100LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S2-30-X	100-240V/277V	30W	180	DC34-40V	>0.95	3200-3500LM	100-115LM/W	>80	<15%	>0.88
VLSL-A65F4-40-X	100-240V/277V	40W	240	DC34-40V	>0.95	3600-4000LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S4-40-X	100-240V/277V	40W	240	DC34-40V	>0.95	4000-4400LM	100-110LM/W	>80	<15%	>0.88
VLSL-A65F4-50-X	100-240V/277V	50W	288	DC34-40V	>0.95	4500-5000LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S4-50-X	100-240V/277V	50W	288	DC34-40V	>0.95	5000-5500LM	100-110LM/W	>80	<15%	>0.88
VLSL-A65F5-50-X	100-240V/277V	50W	288	DC34-40V	>0.95	4500-5000LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S5-50-X	100-240V/277V	50W	288	DC34-40V	>0.95	5000-5500LM	100-110LM/W	>80	<15%	>0.88
VLSL-A65F5-60-X	100-240V/277V	60W	336	DC34-40V	>0.95	5400-5900LM	90-100LM/W	>80	<15%	>0.88
VLSL-A65S5-60-X	100-240V/277V	60W	336	DC34-40V	>0.95	5900-6400LM	100-110LM/W	>80	<15%	>0.88

## Optical Parameter



Item code	1m	2m	3m
VLSL-A65F2-20-X	560-580	140-160	60-80
VLSL-A65S2-20-X	740-760	180-200	80-100
VLSL-A65F2-25-X	720-740	180-200	80-100
VLSL-A65S2-25-X	870-880	220-240	100-120
VLSL-A65F2-30-X	860-880	215-235	85-115
VLSL-A65S2-30-X	1150-1170	290-310	130-150
VLSL-A65F4-40-X	1150-1170	290-310	130-150
VLSL-A65S4-40-X	1600-1620	390-410	180-200
VLSL-A65F4-50-X	1440-1460	360-380	160-180
VLSL-A65S4-50-X	1800-1820	450-470	200-220
VLSL-A65F5-50-X	1470-1480	370-380	165-185
VLSL-A65S5-50-X	1920-1940	480-500	220-240
VLSL-A65F5-60-X	1700-1720	425-445	190-210
VLSL-A65S5-60-X	2120-2130	530-550	240-260

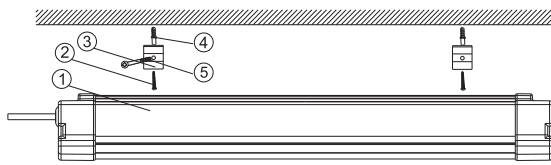
Item code	Beam Angle
VLSL-A65F2-20-X	120
VLSL-A65S2-20-X	120
VLSL-A65F2-25-X	120
VLSL-A65S2-25-X	120
VLSL-A65F2-30-X	120
VLSL-A65S2-30-X	120
VLSL-A65F4-40-X	120
VLSL-A65S4-40-X	120
VLSL-A65F4-50-X	120
VLSL-A65S4-50-X	120
VLSL-A65F5-50-X	120
VLSL-A65S5-50-X	120
VLSL-A65F5-60-X	120
VLSL-A65S5-60-X	120



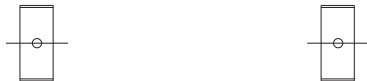
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## Ceiling Mounted Installation

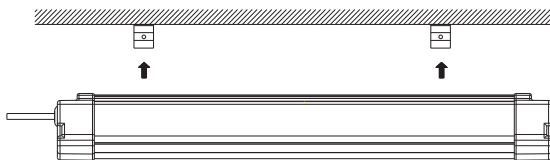


① Drill  $\Phi 6\text{mm}$  holes on the roof/wall.



③ Ceiling Installation

Caution: Drill the holes by distance xxmm

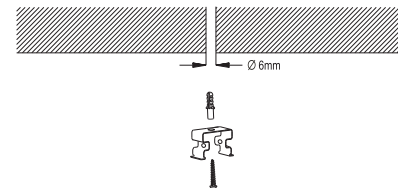


### Standard parts list

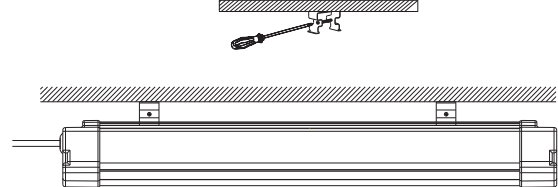
1	LED Tri-proof Light	IPC
2	U-shape Brackets	2PCS
3	Self-tapping screws	2PCS
4	Slotted plastic screws	2PCS
5	PM4X40 screws	2PCS

\* Ceiling Mounted accessories are VeraLED Configuration.

② Insert  $\Phi 6\text{mm}$  expansion pipe into the hole and fix the bracket by M4 screw.

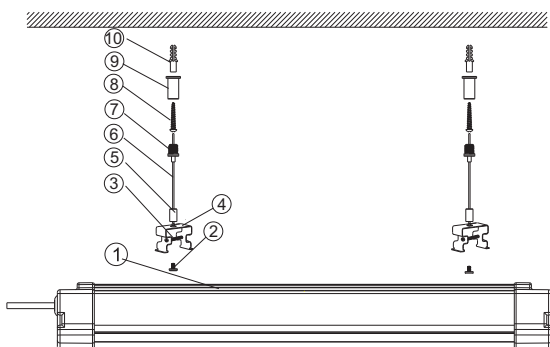


Tighten the screw with screwdriver

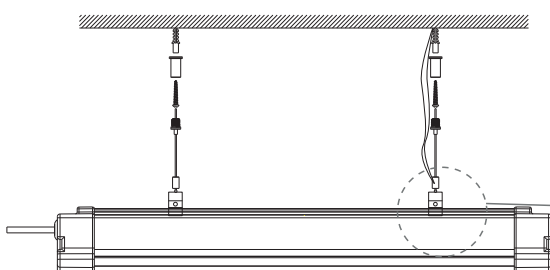


## Suspended Installation

① Suspended way.



② Hanging Installation.

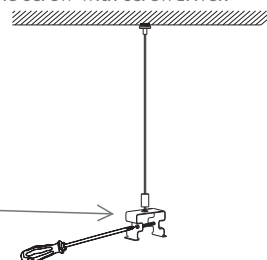


### Spare Parts

1	LED Tri-proof Light	IPC
2	Ring washer	2PCS
3	Suspension fixing screws	2PCS
4	U-shape brackets	2PCS
5	Suspension fixing nuts	2PCS
6	Suspension wires	2PCS
7	Suspension fixing bushings	2PCS
8	Self-tapping screws	2PCS
9	light fixing bushing cap	2PCS
10	Slotted plastic screws	2PCS

\* Suspended accessories need to be paid additionally.

Tighten the screw with screwdriver.



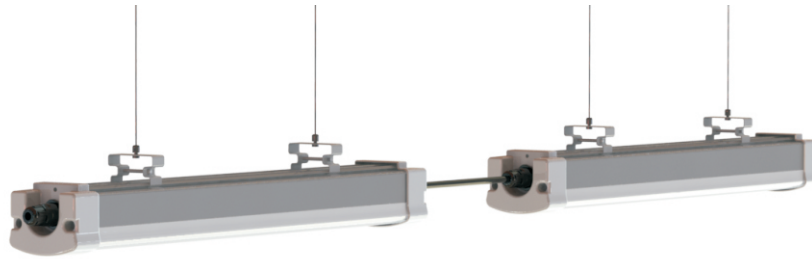
Conventional UL/VDE standard wire for 18 AWG / 3 x 0.75MM<sup>2</sup>

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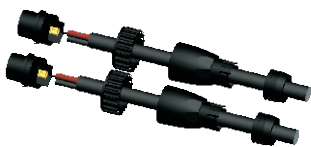
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## Series Connection



Available to be connected in series by fast connectors.

## Optional Connector A:



1: Insert the wire into the terminal then use screw locking it.



2: Put the protector on the terminal.



3: Put on waterproof set.



4: Lock the waterproof sets tightly.

PLS NOTE: Above connectors and wire are separated, easy for connecting the lamps by customized length of wire, NEED to be paid additionally.

## Optional Connector B:



1. Joint Female and Male connector together.

2. Lock the waterproof cap tightly.

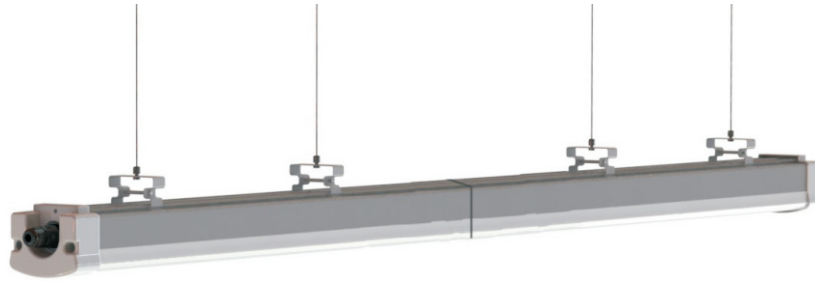
PLS NOTE: Above connectors and wire are fixed, need to confirm the detailed length correctly, and pay it additionally.



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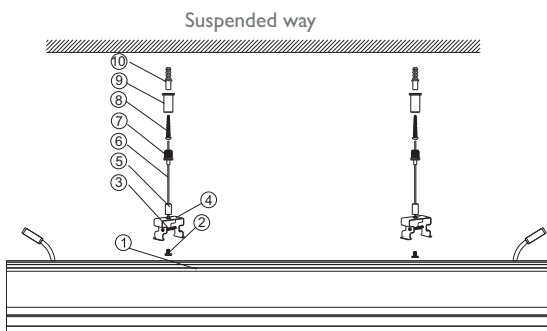
## Seamless Connection



Available to be connected in series by smart aluminum strip.

## Seamless Connection Installation

- ① Hanging up the light(without end cap) with suspended accessories.

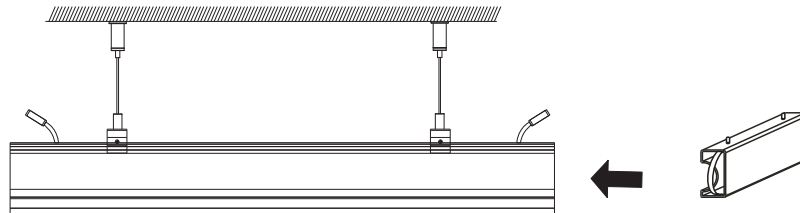


### Spare Parts

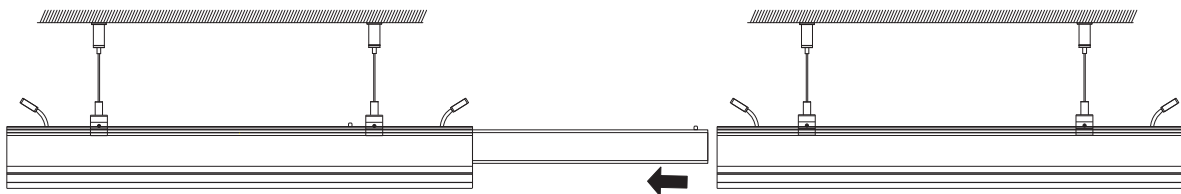
1	LED Tri-proof Light	IPC
2	Ring washer	2PCS
3	Suspension fixing screws	2PCS
4	U-shape brackets	2PCS
5	Suspension fixing nuts	2PCS
6	Suspension wires	2PCS
7	Suspension fixing bushings	2PCS
8	Self-tapping screws	2PCS
9	light fixing bushing cap	2PCS
10	Slotted plastic screws	2PCS

\* Suspended accessories need to be paid additionally.

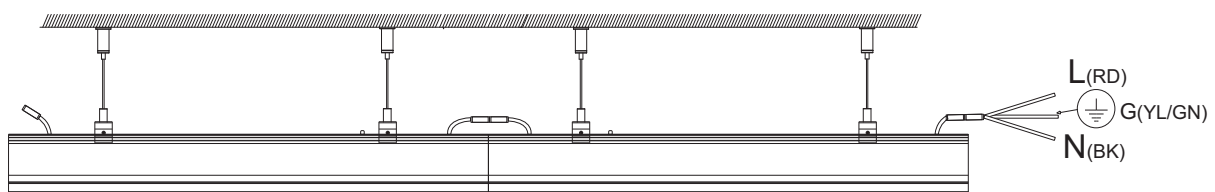
- ② Insert the smart aluminum strip into the light aluminum housing till the ball buckle is locked.



- ③ Fix another light(without end cap) onto the other end of smart aluminum strip till the ball buckle is locked.



- ④ Connect the wires correctly.



PLS NOTE: The tri-proof light is NOT water-proof under Seamless Connection Installation.



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## The maximum number of lamps for Linking in series

Item code	Size	Power	voltage	Max. Series Connection Q'TY	voltage	Max. Series Connection Q'TY
VLSL-A65X2-20-X	600*91*74	20W	110V	27pcs	220V	54pcs
VLSL-A65X2-25-X	600*91*74	20W	110V	22pcs	220V	48pcs
VLSL-A65X2-30-X	600*91*74	30W	110V	18pcs	220V	36pcs
VLSL-A65X4-40-X	1200*91*74	40W	110V	13pcs	220V	27pcs
VLSL-A65X4-50-X	1200*91*74	50W	110V	10pcs	220V	21pcs
VLSL-A65X5-50-X	1500*91*74	50W	110V	10pcs	220V	21pcs
VLSL-A65X5-60-X	1500*91*74	60W	110V	9pcs	220V	18pcs

## Wiring Diagram

Non Dimmable Tri-proof LED Lamp



(EU market-3 pole cable) (US market-3 pole cable)

L:	Brown	Black
N:	Blue	White
E:	Yellow-Green	Green

TRIAC Dimmable Tri-proof LED Lamp



(EU market-3 pole cable) (US market-3 pole cable)

L:	Brown	Black
N:	Blue	White
E:	Yellow-Green	Green

0/1-10V Dimmable Tri-proof LED Lamp



(EU market-5 pole cable) (US market-5 pole cable)

L:	Brown	Black
N:	Blue	White
E:	Yellow	Green
DIM+:	Red	Red
DIM-:	Green	Orange

DALI Dimmable Tri-proof LED Lamp



(EU market-5 pole cable) (US market-5 pole cable)

L:	Brown	Black
N:	Blue	White
E:	Yellow	Green
DA:	Red	Red
DA:	Green	Orange

## Available Dimming way

Suggested suitable dimmer brands for TRIAC & DALI dimming way:

Tridonic (European market)

Lutron & Leviton (American market)

Philips Dynalite & Clipsal (Australian market)

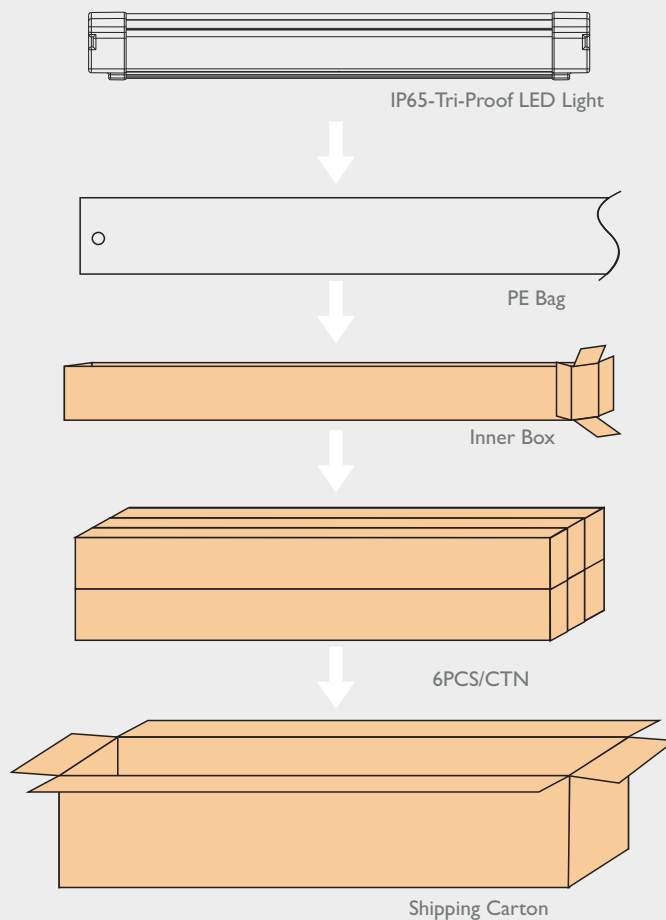


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## Package

Ip65 Tri-proof LED Light



Item code	Dimension	Carton Size	N.W.(kg) /PC	G. W.(kg) /CTN
VLSL-A65X2-20-X	600*91*74mm	680*260*300mm	1.2	9.2
VLSL-A65X2-25-X	600*91*74mm	680*260*300mm	1.2	9.2
VLSL-A65X2-30-X	600*91*74mm	680*260*300mm	1.2	9.2
VLSL-A65X4-40-X	1200*91*74mm	1280*260*300mm	2	16
VLSL-A65X4-50-X	1200*91*74mm	1280*260*300mm	2	16
VLSL-A65X5-50-X	1500*91*74mm	1580*260*300mm	2.6	20
VLSL-A65X5-60-X	1500*91*74mm	1580*260*300mm	2.6	20

## ATTENTION:

VeraLED reserves the right of final interpretation for all specifications.



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